

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/07739

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K31/166 A61K38/23 A61K31/727 A61P7/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, BIOSIS, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 563 158 A (DEGRADO WILLIAM F ET AL) 8 October 1996 (1996-10-08)  column 3, line 16 -column 20, line 20 column 80, line 60 -column 85, line 43; tables 3,4 ---	1,2,4, 6-8, 10-13
X	US 5 866 536 A (HO KOC-KAN ET AL) 2 February 1999 (1999-02-02) cited in the application abstract column 1, line 43 -column 2, line 5 column 2, line 49 -column 18, line 46; claims 1-22; examples 34-37,44-58 --- -/-	1-13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search

21 November 2003

Date of mailing of the International search report

04/12/2003

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 59863 A (BAY WILLIAM E ;CHAUDHARY KIRAN (US); MAJURU SHINGAI (US); RUSSO JO) 12 October 2000 (2000-10-12) cited in the application abstract page 3, line 1-7 page 7, line 15-32 claims 1-23; examples 16,17	1-4,6-8, 10-13
X	WO 02 45754 A (NOVARTIS ERFIND VERWALT GMBH ;AZRIA MOISE (CH); NOVARTIS AG (CH);) 13 June 2002 (2002-06-13) example 4	10,11
X	LEONE-BAY A ET AL: "ORAL DELIVERY OF BIOLOGICALLY ACTIVE PARATHYROID HORMONE" PHARMACEUTICAL RESEARCH, NEW YORK, NY, US, vol. 18, no. 7, July 2001 (2001-07), pages 964-970, XP001106035 ISSN: 0724-8741 abstract	10,11
X	US 5 773 647 A (LEIPOLD HARRY ET AL) 30 June 1998 (1998-06-30) cited in the application column 2, line 38 -column 48, line 42 column 48, line 63 column 55, line 24-37; examples 3,7	1,2,4, 6-8, 10-13

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### Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: 1, 2, 4-8, 10-13 (all in parts)  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1,2,4-8,10-13 (all in parts)

Present claims 1,2,4-8,10-13 relate to an extremely large number of possible compounds and methods all falling under the definition "modified amino acid". Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. It has not been convincingly shown in the application that all compounds falling under the term "modified amino acid" have the claimed effect, i.e.. inhibition of platelet aggregation.

In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds disclosed in the description and the examples, as well as the definition per se, and the compounds of the patents the description refers to.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No	
PCT/EP 03/07739	

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date	
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US 5773647	A	30-06-1998	AU AU CA CA EP EP EP JP JP JP NZ NZ NZ WO	738735 B2 6275698 A 2319672 A1 2319680 A1 1093819 A2 1015008 A1 0993831 A2 2001513080 T 2001139494 A 2001131090 A 337131 A 507275 A 507276 A 9834632 A1	27-09-2001 26-08-1998 13-08-1998 13-08-1998 25-04-2001 05-07-2000 19-04-2000 28-08-2001 22-05-2001 15-05-2001 31-08-2001 30-11-2001 01-02-2002 13-08-1998